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Arruda LK, Platts-Mills TAE, Longbottom JL, El-Dahr JM, Chapman MD. *Aspergillus fumigatus*: identification of 16, 18, and 45 kd antigens recognized by human IgG and IgE antibodies and murine monoclonal antibodies. 1992;89:1166-76
Atkins PC, Kaplan AP, von Allmen C, Moskovitz A, Zweiman B. Activation of the coagulation pathway during ongoing allergic cutaneous reactions in humans. 1992;89:552-9
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——, Maestrelli P, Saetta M, Fabbri LM, Robinson DS, Bradley BL, Jeffery PK, Durham SR, Kay AB. Activated T-lymphocytes and eosinophils in the bronchial mucosa in isocyanate-induced asthma. 1992;89:821-9
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Bruijnzeel-Koomen C, Storz E, Menz G, Bruijnzeel P. Skin eosinophilia in patients with allergic and nonallergic asthma and atopic dermatitis. 1992;89:52-9

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Brunet C, Bédard P-M, Lavoie A, Jobin M, Hébert J. Allergic rhinitis to ragweed pollen. I. Reassessment of the effects of immunotherapy on cellular and humoral responses. 1992;89:76-86
——, ——dard P-M, ——, ——, ——bert J. Allergic rhinitis to ragweed pollen. II. Modulation of histamine-releasing factor production by specific immunotherapy. 1992;89:87-94
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Feiss G, Morris R, Rom D, Mansfield L, Dockhorn R, Ellis E, Smith JA, Tobey RE. A comparative study of the effects of intranasal triamcinolone acetonide aerosol (ITAA) and prednisone on adrenocortical function. 1992;89:1151-6
Feldmann A (*see* Sager et al). 1992;89:801-10
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Hébert J (*see* Brunet et al). 1992;89:76-86
——bert J (*see* Brunet et al). 1992;89:87-94
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Hejjaoui A, Ferrando R, Dhivert H, Michel FB, Bousquet J. Systemic reactions occurring during immunotherapy with standardized pollen extracts. 1992;89:925-33
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Hosoi S (*see* Kikawa et al). 1992;89:1111-9
Huss K, Squire EN Jr, Carpenter GB, Smith LJ, Huss RW, Salata K, Salemo M, Agostinelli D, Hershey J. Effective education of adults with asthma who are allergic to dust mites. 1992;89:836-43
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Jacobson MR (*see* Bentley et al). 1992;89:877-83
Jacques P, Lavoie A, Bédard P-M, Brunet C, Hébert J. Chronic idiopathic urticaria: profiles of skin mast cell histamine release during active disease and remission. 1992;89:1139-43
Jaeger D, Kleinhans D, Czuppon AB, Baur X. Latex-specific proteins causing immediate-type cutaneous, nasal, bronchial, and systemic reactions. 1992;89:759-68
Jarjour NN, Calhoun WJ, Stevens CA, Salisbury SM. Exercise-induced asthma is not associated with mast cell activation or airway inflammation. 1992;89:60-8
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——, Vogel M, de Weck AL, Stadler BM. Anti-IgE autoantibodies mistaken for specific IgG. 1992;89:31-43
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Kaulbach HC, Igarashi Y, Mullol J, White MV, Kaliner MA. Effects of nedocromil sodium on allergen-induced rhinitis in humans. 1992;89:599-610
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Lombardero M, Quirce S, Duffort O, Barber D, Carpizo J, Chamorro MJ, Lezaun A, Carreira J. Monoclonal antibodies against *Olea europaea* major allergen: allergenic activity of affinity-purified allergen and depleted extract and development of a radioimmunoassay for the quantitation of the allergen. 1992;89:884-94
Longbottom JL (*see* Arruda et al). 1992;89:1166-76
Losada E, Hinojosa M, Quirce S, Sánchez-Cano M, Moneo I. Occupational asthma caused by α-amylase inhalation: clinical and immunologic findings and bronchial response patterns. 1992;89:118-25
—— (*see* Fernandez-Rivas et al). 1992;89:141-3 (Brief comm.)
Lotz M (*see* Broide et al). 1992;89:958-67
Löwhagen O (*see* Palmqvist et al). 1992;89:844-9
Lozewicz S, Wang J, Duddle J, Thomas K, Chalstrey S, Reilly G, Devalia JL, Davies RJ. Topical glucocorticoids inhibit activation by allergen in the upper respiratory tract. 1992;89:951-7
Lundgren JD (*see* Igarashi et al). 1992;89:1085-97
—— (*see* Mullol et al). 1992;89:584-92
Lympany P, Welsh K, MacCochrane G, Kemeny DM, Lee TH. Genetic analysis using DNA polymorphism of the linkage between chromosome 11q13 and atopy and bronchial hyperresponsiveness to methacholine. 1992;89:619-28

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MacCochrane G (*see* Lympany et al). 1992;89:619-28
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Maestrelli P (*see* Bentley et al). 1992;89:821-9
Magnussen H, Boerger S, Templin K, Baunack AR. Effects of a thromboxane-receptor antagonist, BAY u 3405, on prostaglandin D_2- and exercise-induced bronchoconstriction. 1992;89:1119-26
Majchel AM (*see* Baroody et al). 1992;89:1065-75
Malet R (*see* Laurent et al). 1992;89:779-80 (Brief comm.)
Malo J-L, Ghezzo H, Trudeau C, L'Archevêque J, Cartier A. Salmeterol, a new inhaled beta$_2$-adrenergic agonist, has a longer blocking effect than albuterol on hyperventilation-induced bronchoconstriction. 1992;89:567-74
—— (*see* Vandenplas et al). 1992;89:1183-8
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Marini M, Vittori E, Hollemborg J, Mattoli S. Expression of the potent inflammatory cytokines, granulocyte-macrophage–colony-stimulating factor and interleukin-6 and interleukin-8, in bronchial epithelial cells of patients with asthma. 1992;89:1001-9
Marks GB (*see* Green et al). 1992;89:1196-7 (Brief comm.)
Marom Z (*see* Gollub et al). 1992;89:696-702
Marthan R (*see* Tunon-de-Lara et al). 1992;89:994-1000
Martin RJ, Cicutto LC, Ackerson LM. Stability of the circadian alteration in lung function in asthma. 1992;89:703-8
Martínez A (*see* García-Ortega et al). 1992;89:987-93
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Menon P, Rando RJ, Stankus RP, Salvaggio JE, Lehrer SB. Passive cigarette smoke–challenge studies: increase in bronchial hyperreactivity. 1992;89:560-6
Menz G (*see* Bruijnzeel-Koomen et al). 1992;89:52-9
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Michoud MC, Leduc T, Proulx F, Perreault S, Du Souich P, Duranceau A, Amyot R. Effect of salbutamol on gastroesophageal reflux in healthy volunteers and patients with asthma (1991;87:762-7). 1992;89:778 (Correction)
Miles SE, Mamlok RJ. Evidence of mast cell involvement in a clinical syndrome mimicking toxic shock syndrome. 1992;89:638-9 (Brief comm.)
Miragliotta GF (*see* Reddigari et al). 1992;89:666-72
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Mohapatra SS. Recombinant allergens and allergen standardization. 1992;89:921-2 (Letter)
Moneo I (*see* Losada et al). 1992;89:118-25
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Müller U, Helbling A, Berchtold E. Immunotherapy with honeybee venom and yellow jacket venom is different regarding efficacy and safety. 1992;89:529-35
Mullol J, Raphael GD, Lundgren JD, Baraniuk JN, Mérida M, Shelhamer JH, Kaliner MA. Comparison of human nasal mucosal secretion in vivo and in vitro. 1992;89:584-92
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Nany S, Pham-Huy C, Sahui-Gnassi A, Dutertre-Catella H, Chanut J-C, Claude J-R. A novel immunoenzymatic method for the determination of global isocyanate antibodies: comparison with ELISA. 1992;89:781-2 (Brief comm.)
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O'Brien RM, Thomas WR, Wootton AM. T cell responses to the purified major allergens from the house dust mite *Dermatophagoides pteronyssinus*. 1992;89:1021-31
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Ohrui T, Sekizawa K, Aikawa T, Yamauchi K, Sasaki H, Takishima T. Vascular permeability and airway narrowing during late asthmatic response in dogs treated with Metopirone. 1992;89:933-43
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Okayama M, Baraniuk JN, Hausfeld JN, Merida M, Kaliner MA. Characterization and autoradiographic localization of histamine H_1 receptors in human nasal turbinates. 1992;89:1144-50
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Palmgren MS, deShazo RD, Carter RM, Zimny ML, Shah SV. Mechanisms of neutrophil damage to human alveolar extracellular matrix: the role of serine and metalloproteases. 1992;89:905-15
Palmqvist M, Balder B, Löwhagen O, Melander B, Svedmyr N, Wåhlander L. Late asthmatic reaction decreased after pretreatment with salbutamol and formoterol, a new long-acting β_2-agonist. 1992;89:844-9
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Pierson WE (*see* Koenig et al). 1992;89:789-94
Platts-Mills TAE, Thomas WR, Aalberse RC, Vervloet D, Chapman MD. Dust mite allergens and asthma: report of a second international workshop. 1992;89:1046-60 (Workshop)
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Polla BS, Ezekowitz RA, Leung DYM. Monocytes from patients with atopic dermatitis are primed for superoxide production. 1992;89:545-51
Pollice M (*see* Dupuis et al). 1992;89:850-7
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Proud D, Bailey GS, Naclerio RM, Reynolds CJ, Cruz AA, Eggleston PA, Lichtenstein LM, Togias AG. Tryptase and histamine as markers to evaluate mast cell activation during the responses to nasal challenge with allergen, cold, dry air, and hyperosmolar solutions. 1992;89:1098-110

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Ramey RA (*see* Sanders et al). 1992;89:816-21
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Rankin JA, Harris P, Ackerman SJ. The effects of eosinophil-granule major basic protein on lung-macrophage superoxide anion generation. 1992;89:746-52
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Reddigari SR, Kuna P, Miragliotta GF, Kornfeld D, Baeza ML, Castor CW, Kaplan AP. Connective tissue–activating peptide-III and its derivative, neutrophil-activating peptide-2, release histamine from human basophils. 1992;89:666-72
Reid MJ, Nish WA, Whisman BA, Goetz DW, Hylander RD, Parker WA Jr, Freeman TM. HLA-DR4–associated nonresponsiveness to mountain-cedar allergen. 1992;89:593-8
Reilly G (*see* Lozewicz et al). 1992;89:951-7
Reisman RE, Livingston A. Venom immunotherapy: 10 years of experience with administration of single venoms and 50 μg maintenance doses. 1992;89:1189-95
Renz H, Smith HR, Henson JE, Ray BS, Irvin CG, Gelfand EW. Aerosolized antigen exposure without adjuvant causes increased IgE production and increased airway responsiveness in the mouse. 1992;89:1127-38
Reynolds CJ (*see* Proud et al). 1992;89:1098-110
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Saff RH, Fink JN. Anaphylaxis to chicken soup: a case report and a brief history of the chicken in medicine. 1992;89:1061-2 (Brief comm.)
Sager N, Feldmann A, Schilling G, Kreitsch P, Neumann C. House dust mite–specific T cells in the skin of subjects with atopic dermatitis: frequency and lymphokine profile in the allergen patch test. 1992;89:801-10
Sahui-Gnassi A (*see* Nany et al). 1992;89:781-2 (Brief comm.)
Saito M (*see* Kikawa et al). 1992;89:1111-9
Salata K (*see* Huss et al). 1992;89:836-43
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Sánchez-Cano M (*see* Losada et al). 1992;89:118-25
Sanchez-Legrand F (*see* Smith et al). 1992;89:978-86
Sanda T, Yasue T, Oohashi M, Yasue A. Effectiveness of house dust-mite allergen avoidance through clean room therapy in patients with atopic dermatitis. 1992;89:653-7
Sanders BP, Portman RJ, Ramey RA, Hill M, Strunk RC. Hypertension during reduction of long-term steroid therapy in young subjects with asthma. 1992;89:816-21
Sasaki H (*see* Ohrui et al). 1992;89:933-43
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Shapiro GG, Simon RA. Bronchoprovocation committee report. 1992;89:775-8
——, ——. Bronchoprovocation committee report (1992;89:775-8). 1992;89:1202 (Correction)
Shelhamer JH (*see* Igarashi et al). 1992;89:1085-97
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Shigematsu Y (*see* Kikawa et al). 1992;89:1111-9
Silton RP, Fernández-Caldas E, Trudeau WL, Swanson MC, Lockey RF. Prevalence of specific IgE to the storage mite, *Aleuroglyphus ovatus* (1991;88:595-603). 1992;89:1062 (Correction)
Silvennoinen-Kassinen S, Ikäheimo I, Karvonen J, Kauppinen M, Kallioinen M. Mononuclear cell subsets in the nickel-allergic reaction in vitro and in vivo. 1992;89:794-800
Silver PB (*see* Baraniuk et al). 1992;89:1032-9
Sim TC, Alam R, Forsythe PA, Welter JB, Lett-Brown MA, Grant JA. Measurement of histamine-releasing factor activity in individual nasal washings: relationship with atopy, basophil response, and membrane-bound IgE. 1992;89:1157-65
Simon RA (*see* Shapiro and Simon). 1992;89:775-8
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Slater JE, Chhabra SK. Latex antigens. 1992;89:673-8
Slavin RG. Medical management of nasal polyps and sinusitis (1991;88:141-6). 1992;89:640 (Correction)
—— (*see* Druce and Slavin). 1992;89:1201-2 (Letter reply)
Smiejan JM (*see* Laurent et al). 1992;89:779-80 (Brief comm.)
Smith CH, Soh C, Lee TH. Cutaneous histamine metabolism in chronic urticaria. 1992;89:944-50
Smith HR, Larsen GL, Cherniack RM, Wenzel SE, Voelkel NF, Westcott JY, Bethel RA. Inflammatory cells and eicosanoid mediators in subjects with late asthmatic responses and increases in airway responsiveness. 1992;89:1076-84
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Smith JA (*see* Feiss et al). 1992;89:1151-6
Smith LJ (*see* Huss et al). 1992;89:836-43
Smith TF, Sanchez-Legrand F, McKean LP, Kutner MH, Cragoe EJ Jr, Eaton DC. Role of sodium in mediator release from human basophils. 1992;89:978-86
Soh C (*see* Smith et al). 1992;89:944-50
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Spiegel W, McGeady SJ, Mansmann HC Jr. Cerebral cortical atrophy and central nervous system (CNS) symptoms in a steroid-treated child with asthma. 1992;89:918-9 (Brief comm.)
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Sugiyama H, Miyagawa H, Okada C, Hopp RJ, Bewtra AK, Townley RG. The effect of a selective α_2-adrenergic receptor antagonist (midaglizole) on the cyclic 3',5'-adenosine monophosphate production in human mononuclear cells. 1992;89:722-9
——, Okada C, Bewtra AK, Hopp RJ, Townley RG. The effect of formoterol on the late asthmatic phenomena in guinea pigs. 1992;89:858-66
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Tarhini H, Knani J, Michel F-B, Bousquet J. Safety of venom immunotherapy administered by a cluster schedule. 1992;89:1198-9 (Brief comm.)
Taylor IK, O'Shaughnessy KM, Choudry NB, Adachi M, Palmer JBD, Fuller RW. A comparative study in atopic subjects with asthma of the effects of salmeterol and salbutamol on allergen-induced bronchoconstriction, increase in airway reactivity, and increase in urinary leukotriene E_4 excretion. 1992;89:575-83
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Teaford HG (*see* Lee et al). 1992;89:1010-20
Templin K (*see* Magnussen et al). 1992;89:1119-26
Thien FCK, Atkinson BA, Khan A, Mencia-Huerta J-M, Lee TH. Effect of dietary fish oil supplementation on the antigen-induced late-phase response in the skin. 1992;89:829-35
Thomas K (*see* Lozewicz et al). 1992;89:951-7
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Tunon-de-Lara JM, Rio P, Marthan R, Vuillemin L, Ducassou D, Taytard A. The effect of sodium cromoglycate on platelets: an in vivo and in vitro approach. 1992;89:994-1000

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Vandenplas O, Cartier A, Lesage J, Perrault G, Grammer LC, Malo J-L. Occupational asthma caused by a prepolymer but not the monomer of toluene diisocyanate (TDI). 1992;89:1183-8
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Williams PB, Nolte H, Dolen WK, Koepke JW, Selner JC. The histamine content of allergen extracts. 1992;89:738-45
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Late asthmatic reaction decreased after pretreatment with salbutamol and formoterol, a new long-acting β_2-agonist (Palmqvist et al). 1992;89:844-9

Salmeterol, a new inhaled beta$_2$-adrenergic agonist, has a longer blocking effect than albuterol on hyperventilation-induced bronchoconstriction (Malo et al). 1992;89:567-74

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The effect of aerosol distribution on airway responsiveness to inhaled methacholine in patients with asthma (Laube et al). 1992;89:510-8

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Vascular permeability and airway narrowing during late asthmatic response in dogs treated with Metopirone (Ohrui et al). 1992;89:933-43

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Albuterol
A comparative study in atopic subjects with asthma of the effects of salmeterol and salbutamol on allergen-induced bronchoconstriction, increase in airway reactivity, and increase in urinary leukotriene E_4 excretion (Taylor et al). 1992;89:575-83
Late asthmatic reaction decreased after pretreatment with salbutamol and formoterol, a new long-acting β_2-agonist (Palmqvist et al). 1992;89:844-9
Protective effect and duration of action of inhaled formoterol and salbutamol on exercise-induced asthma in children (Henriksen et al). 1992;89:1176-82
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Discovering allergens (Norman). 1992;89:923-4 (Editorial)
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Effectiveness of house dust-mite allergen avoidance through clean room therapy in patients with atopic dermatitis (Sanda et al). 1992;89:653-7
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The histamine content of allergen extracts (Williams et al). 1992;89:738-45
HLA-DR4–associated nonresponsiveness to mountain-cedar allergen (Reid et al). 1992;89:593-8
House dust mites and mite allergens in public places (Green et al). 1992;89:1196-7 (Brief comm.)
Interleukin-6 is released in the cutaneous response to allergen challenge in atopic individuals (Lee et al). 1992;89:1010-20
Mercurialis annua pollen: a new source of allergic sensitization and respiratory disease (García-Ortega et al). 1992;89:987-93
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Aspergillus fumigatus: identification of 16, 18, and 45 kd antigens recognized by human IgG and IgE antibodies and murine monoclonal antibodies (Arruda et al). 1992;89:1166-76
Effect of antigen dose on the recruitment of inflammatory cells to the lung by segmental antigen challenge (Dupuis et al). 1992;89:850-7
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Human neutrophil-derived histamine-releasing activity (HRA-N) causes the release of serotonin but not arachidonic acid metabolites from rat basophilic leukemia cells (Igarashi et al). 1992;89:1085-97
Aspergillus fumigatus
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Hypertension during reduction of long-term steroid therapy in young subjects with asthma (Sanders et al). 1992;89:816-21

Asthma, diagnosis
Airway hyperresponsiveness and the clinical diagnosis of asthma: Histamine or history? (Britton). 1992;89:19-22 (Editorial)
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Asthma, drug therapy
A comparative study in atopic subjects with asthma of the effects of salmeterol and salbutamol on allergen-induced bronchoconstriction, increase in airway reactivity, and increase in urinary leukotriene E_4 excretion (Taylor et al). 1992;89:575-83
The effect of formoterol on the late asthmatic phenomena in guinea pigs (Sugiyama et al). 1992;89:858-66
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Late asthmatic reaction decreased after pretreatment with salbutamol and formoterol, a new long-acting β_2-agonist (Palmqvist et al). 1992;89:844-9
Protective effect and duration of action of inhaled formoterol and salbutamol on exercise-induced asthma in children (Henriksen et al). 1992;89:1176-82
Separate and combined effects of corticosteroids and bronchodilators on airflow obstruction and airway hyperresponsiveness in asthma (Wempe et al). 1992;89:679-87
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Occupational asthma caused by a prepolymer but not the monomer of toluene diisocyanate (TDI) (Vandenplas et al). 1992;89:1183-8
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Asthma, exercise induced
Exercise-induced asthma is not associated with mast cell activation or airway inflammation (Jarjour et al). 1992;89:60-8
Protective effect and duration of action of inhaled formoterol and salbutamol on exercise-induced asthma in children (Henriksen et al). 1992;89:1176-82

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Cytokines in symptomatic asthma airways (Broide et al). 1992;89:958-67
Degranulation of eosinophils from pollen-atopic patients with asthma is increased during pollen season (Carlson et al). 1992;89:131-9
Dust mite allergens and asthma: report of a second international workshop (Platts-Mills et al). 1992;89:1046-60 (Workshop)
The effect of sodium cromoglycate on platelets: an in vivo and in vitro approach (Tunon-de-Lara et al). 1992;89:994-1000
Expression of the potent inflammatory cytokines, granulocyte-macrophage–colony-stimulating factor and interleukin-6 and interleukin-8, in bronchial epithelial cells of patients with asthma (Marini et al). 1992;89:1001-9
Steroid-resistant asthma: immunologic and pharmacologic features (Alvarez et al). 1992;89:714-21
T cell responses to the purified major allergens from the house dust mite *Dermatophagoides pteronyssinus* (O'Brien et al). 1992;89:1021-31
Urinary leukotriene E_4 after exercise challenge in children with asthma (Kikawa et al). 1992;89:1111-9

Asthma, physiopathology
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Measurement of histamine-releasing factor activity in individual nasal washings: relationship with atopy, basophil response, and membrane-bound IgE (Sim et al). 1992;89:1157-65

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BAY u 3405

Effects of a thromboxane-receptor antagonist, BAY u 3405, on prostaglandin D_2- and exercise-induced bronchoconstriction (Magnussen et al). 1992;89:1119-26

Bee venoms

Immunotherapy with honeybee venom and yellow jacket venom is different regarding efficacy and safety (Müller et al). 1992;89:529-35

Benzoates

Benzyl benzoate moist powder: investigation of acarical activity in cultures and reduction of dust mite allergens in carpets (Hayden et al). 1992;89:536-45

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Bites and stings

Safety of venom immunotherapy administered by a cluster schedule (Tarhini et al). 1992;89:1198-9 (Brief comm.)

Venom immunotherapy: 10 years of experience with administration of single venoms and 50 μg maintenance doses (Reisman and Livingston). 1992;89:1189-95

Blood platelets

The effect of sodium cromoglycate on platelets: an in vivo and in vitro approach (Tunon-de-Lara et al). 1992;89:994-1000

Blood vessels

Characterization and autoradiographic localization of histamine H_1 receptors in human nasal turbinates (Okayama et al). 1992;89:1144-50

Vascular permeability and airway narrowing during late asthmatic response in dogs treated with Metopirone (Ohrui et al). 1992;89:933-43

Book reviews

Book reviews. 1992;89:640, 920, 1063, 1200

Bradykinin

Ibuprofen augments bradykinin-induced glycoconjugate secretion by human nasal mucosa in vivo (Baraniuk et al). 1992;89:1032-9

Brain diseases

Cerebral cortical atrophy and central nervous system (CNS) symptoms in a steroid-treated child with asthma (Spiegel et al). 1992;89:918-9 (Brief comm.)

Brief communications

Brief communications. 1992;89:141-4, 637-9, 779-82, 916-9, 1061-2, 1196-9

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Bronchoprovocation committee report (Shapiro and Simon). 1992;89:775-8

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Occupational asthma caused by α-amylase inhalation: clinical and immunologic findings and bronchial response patterns (Losada et al). 1992;89:118-25

Passive cigarette smoke–challenge studies: increase in bronchial hyperreactivity (Menon et al). 1992;89:560-6

Salmeterol, a new inhaled beta$_2$-adrenergic agonist, has a longer blocking effect than albuterol on hyperventilation-induced bronchoconstriction (Malo et al). 1992;89:567-74

Bronchoconstriction

A comparative study in atopic subjects with asthma of the effects of salmeterol and salbutamol on allergen-induced bronchoconstriction, increase in airway reactivity, and increase in urinary leukotriene E_4 excretion (Taylor et al). 1992;89:575-83

Effect of the oral leukotriene antagonist, ICI 204,219, on antigen-induced bronchoconstriction in subjects with asthma (Findlay et al). 1992;89:1040-5

Effects of a thromboxane-receptor antagonist, BAY u 3405, on prostaglandin D_2- and exercise-induced bronchoconstriction (Magnussen et al). 1992;89:1119-26

Salmeterol, a new inhaled beta$_2$-adrenergic agonist, has a longer blocking effect than albuterol on hyperventilation-induced bronchoconstriction (Malo et al). 1992;89:567-74

Theophylline mitigates the bronchoconstrictor effects of sulfur dioxide in subjects with asthma (Koenig et al). 1992;89:789-94

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Separate and combined effects of corticosteroids and bronchodilators on airflow obstruction and airway hyperresponsiveness in asthma (Wempe et al). 1992;89:679-87

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The effect of inhaled gallopamil, a potent calcium channel blocker, on the late-phase response in subjects with allergic asthma (Hoppe et al). 1992;89:688-95

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Child

Protective effect and duration of action of inhaled formoterol and salbutamol on exercise-induced asthma in children (Henriksen et al). 1992;89:1176-82

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Connective tissue–activating peptide-III and its derivative, neutrophil-activating peptide-2, release histamine from human basophils (Reddigari et al). 1992;89:666-72

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Medical management of nasal polyps and sinusitis (Slavin) (1991;88:141-6). 1992;89:640
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Recombinant allergens and allergen standardization (Mohapatra) (Letter); (Chapman and Platts-Mills) (Reply). 1992;89:921-2
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Eosinophilia
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Degranulation of eosinophils from pollen-atopic patients with asthma is increased during pollen season (Carlson et al). 1992;89:131-9
Effect of antigen dose on the recruitment of inflammatory cells to the lung by segmental antigen challenge (Dupuis et al). 1992;89:850-7
The effects of eosinophil-granule major basic protein on lung-macrophage superoxide anion generation (Rankin et al). 1992;89:746-52
Immunohistology of the nasal mucosa in seasonal allergic rhinitis: increases in activated eosinophils and epithelial mast cells (Bentley et al). 1992;89:877-83
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Histamine liberation
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Hyperventilation
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ICI 204,219
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IgE
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Immune complex
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Immunosuppressive agents
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Interleukins
Expression of the potent inflammatory cytokines, granulocyte-macrophage–colony-stimulating factor and interleukin-6 and interleukin-8, in bronchial epithelial cells of patients with asthma (Marini et al). 1992;89:1001-9
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Recombinant allergens and allergen standardization (Mohapatra) (Letter); (Chapman and Platts-Mills) (Reply). 1992;89:921-2
Sinusitis revisited (Knight) (Letter); (Druce and Slavin) (Reply). 1992;89:1201-2
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Chronic idiopathic urticaria: profiles of skin mast cell histamine release during active disease and remission (Jacques et al). 1992;89:1139-43
Effect of coculture of rodent mast cells with murine chronic graft-versus-host disease (cGVHD)–derived fibroblasts (Levi-Schaffer et al). 1992;89:501-9
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Genetic analysis using DNA polymorphism of the linkage between chromosome 11q13 and atopy and bronchial hyperresponsiveness to methacholine (Lympany et al). 1992;89:619-28
Ipratropium bromide (Atrovent nasal spray) reduces the nasal response to methacholine (Baroody et al). 1992;89:1065-75

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Benzyl benzoate moist powder: investigation of acarical activity in cultures and reduction of dust mite allergens in carpets (Hayden et al). 1992;89:536-45
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Immunohistology of the nasal mucosa in seasonal allergic rhinitis: increases in activated eosinophils and epithelial mast cells (Bentley et al). 1992;89:877-83
Ipratropium bromide (Atrovent nasal spray) reduces the nasal response to methacholine (Baroody et al). 1992;89:1065-75
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Human neutrophil-derived histamine-releasing activity (HRA-N) causes the release of serotonin but not arachidonic acid metabolites from rat basophilic leukemia cells (Igarashi et al). 1992;89:1085-97
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Degranulation of eosinophils from pollen-atopic patients with asthma is increased during pollen season (Carlson et al). 1992;89:131-9
Discovering allergens (Norman). 1992;89:923-4 (Editorial)
HLA-DR4–associated nonresponsiveness to mountain-cedar allergen (Reid et al). 1992;89:593-8
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Prednisone
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Pregnancy
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Proteins
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Pruritus
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Reference standards
Bronchoprovocation committee report (Shapiro and Simon). 1992;89:775-8
Use of standardized and conventional allergen extracts in prick skin testing (Lavins et al). 1992;89:658-66

Reproducibility of results
Reproducibility of skin prick test reactions to common allergens in patients with atopic eczema (Wagenpfeil et al). 1992;89:143-4 (Brief comm.)

Research
Report of the Committee on the Role and Care of Animals in Research (Becker and Krzanowski). 1992;89:140

Respiratory hypersensitivity
Airway hyperresponsiveness and the clinical diagnosis of asthma: Histamine or history? (Britton). 1992;89:19-22 (Editorial)
Changes in bronchial responsiveness following nasal provocation with allergen (Corren et al). 1992;89:611-8
A comparative study in atopic subjects with asthma of the effects of salmeterol and salbutamol on allergen-induced bronchoconstriction, increase in airway reactivity, and increase in urinary leukotriene E_4 excretion (Taylor et al). 1992;89:575-83
Exercise-induced asthma is not associated with mast cell activation or airway inflammation (Jarjour et al). 1992;89:60-8
Genetic analysis using DNA polymorphism of the linkage between chromosome 11q13 and atopy and bronchial hyperresponsiveness to methacholine (Lympany et al). 1992;89:619-28
Passive cigarette smoke–challenge studies: increase in bronchial hyperreactivity (Menon et al). 1992;89:560-6
Separate and combined effects of corticosteroids and bronchodilators on airflow obstruction and airway hyperresponsiveness in asthma (Wempe et al). 1992;89:679-87

Respiratory tract infections
Rhinovirus 39 infection in allergic and nonallergic subjects (Doyle et al). 1992;89:968-78
Topical glucocorticoids inhibit activation by allergen in the upper respiratory tract (Lozewicz et al). 1992;89:951-7

Rhinitis, allergic, perennial
Effects of nedocromil sodium on allergen-induced rhinitis in humans (Kaulbach et al). 1992;89:599-610

Rhinitis, allergic, seasonal; *see* Hay fever

Rhinoviruses
Rhinovirus 39 infection in allergic and nonallergic subjects (Doyle et al). 1992;89:968-78

Rostrum
Rostrum. 1992;89:629-36

Rubber
Latex antigens (Slater and Chhabra). 1992;89:673-8
Latex hypersensitivity after natural delivery (Laurent et al). 1992;89:779-80 (Brief comm.)
Latex-specific proteins causing immediate-type cutaneous, nasal, bronchial, and systemic reactions (Jaeger et al). 1992;89:759-68

S

Safety
Safety of venom immunotherapy administered by a cluster schedule (Tarhini et al). 1992;89:1198-9 (Brief comm.)

Salbutamol; *see* Albuterol

Salmeterol
A comparative study in atopic subjects with asthma of the effects of salmeterol and salbutamol on allergen-induced bronchoconstriction, increase in airway reactivity, and increase in urinary leukotriene E_4 excretion (Taylor et al). 1992;89:575-83
The effect of inhaled salmeterol on methacholine responsiveness in sudjects with asthma up to 12 hours (Derom et al). 1992;89:811-5

Salmeterol, a new inhaled beta2-adrenergic agonist, has a longer blocking effect than albuterol on hyperventilation-induced bronchoconstriction (Malo et al). 1992;89:567-74

Scalp

Atopic dermatitis of the face, scalp, and neck: Type I reaction to the yeast *Pityrosporum ovale*? (Jensen-Jarolim et al). 1992;89:44-51

Seasonal allergic rhinitis; *see* **Hay fever**

Sensitivity and specificity

Sensitivity and specificity of histamine PC_{20} determination in a random selection of young college students (Cockcroft et al). 1992;89:23-30

Serine

Mechanisms of neutrophil damage to human alveolar extracellular matrix: the role of serine and metalloproteases (Palmgren et al). 1992;89:905-15

Serotonin

Human neutrophil-derived histamine-releasing activity (HRA-N) causes the release of serotonin but not arachidonic acid metabolites from rat basophilic leukemia cells (Igarashi et al). 1992;89:1085-97

Shock, septic

Evidence of mast cell involvement in a clinical syndrome mimicking toxic shock syndrome (Miles and Mamlok). 1992;89:638-9 (Brief comm.)

Skin, metabolism

Cutaneous histamine metabolism in chronic urticaria (Smith et al). 1992;89:944-50

Skin eosinophilia; *see* **Eosinophilia**

Skin manifestations

Activation of the coagulation pathway during ongoing allergic cutaneous reactions in humans (Atkins et al). 1992;89:552-9

Evaluation of cutaneous responses and lung function from exposure to opiate compounds among ethical narcotics-manufacturing workers (Biagini et al). 1992;89:108-18

Skin tests

The histamine content of allergen extracts (Williams et al). 1992;89:738-45

Interleukin-6 is released in the cutaneous response to allergen challenge in atopic individuals (Lee et al). 1992;89:1010-20

Reproducibility of skin prick test reactions to common allergens in patients with atopic eczema (Wagenpfeil et al). 1992;89:143-4 (Brief comm.)

Use of standardized and conventional allergen extracts in prick skin testing (Lavins et al). 1992;89:658-66

Smoke, passive; *see* **Tobacco smoke pollution**

Sodium

Role of sodium in mediator release from human basophils (Smith et al). 1992;89:978-86

Sodium cromoglycate; *see* **Disodium cromoglycate**

Standards; *see* **Reference standards**

Steroids

Cerebral cortical atrophy and central nervous system (CNS) symptoms in a steroid-treated child with asthma (Spiegel et al). 1992;89:918-9 (Brief comm.)

Hypertension during reduction of long-term steroid therapy in young subjects with asthma (Sanders et al). 1992;89:816-21

Steroid-resistant asthma: immunologic and pharmacologic features (Alvarez et al). 1992;89:714-21

Stings; *see* **Bites and stings**

Succinylcholine

Generalized allergic reactions during anesthesia (Binkley et al). 1992;89:768-74

Sulfur dioxide

Theophylline mitigates the bronchoconstrictor effects of sulfur dioxide in subjects with asthma (Koenig et al). 1992;89:789-94

Superoxide

The effects of eosinophil-granule major basic protein on lung-macrophage superoxide anion generation (Rankin et al). 1992;89:746-52

Monocytes from patients with atopic dermatitis are primed for superoxide production (Polla et al). 1992;89:545-51

T

T-lymphocytes

Activated T-lymphocytes and eosinophils in the bronchial mucosa in isocyanate-induced asthma (Bentley et al). 1992;89:821-9

House dust mite–specific T cells in the skin of subjects with atopic dermatitis: frequency and lymphokine profile in the allergen patch test (Sager et al). 1992;89:801-10

T cell responses to the purified major allergens from the house dust mite *Dermatophagoides pteronyssinus* (O'Brien et al). 1992;89:1021-31

Terfenadine

Terfenadine ineffective in the prophylaxis of exercise-induced pruritus (Duffull and Begg). 1992;89:916-7 (Brief comm.)

Theophylline

Theophylline mitigates the bronchoconstrictor effects of sulfur dioxide in subjects with asthma (Koenig et al). 1992;89:789-94

Thiopental

Generalized allergic reactions during anesthesia (Binkley et al). 1992;89:768-74

Thromboxanes

Effects of a thromboxane-receptor antagonist, BAY u 3405, on prostaglandin D_2- and exercise-induced bronchoconstriction (Magnussen et al). 1992;89:1119-26

Tobacco smoke pollution

Passive cigarette smoke–challenge studies: increase in bronchial hyperreactivity (Menon et al). 1992;89:560-6

Toluene diisocyanate

Occupational asthma caused by a prepolymer but not the monomer of toluene diisocyanate (TDI) (Vandenplas et al). 1992;89:1183-8

Toxic shock syndrome; *see* **Shock, septic**

Trees

HLA-DR4–associated nonresponsiveness to mountain-cedar allergen (Reid et al). 1992;89:593-8

Triamcinolone acetonide

A comparative study of the effects of intranasal triamcinolone acetonide aerosol (ITAA) and prednisone on adrenocortical function (Feiss et al). 1992;89:1151-6

Tryptase

Tryptase and histamine as markers to evaluate mast cell activation during the responses to nasal challenge with allergen, cold, dry air, and hyperosmolar solutions (Proud et al). 1992;89:1098-110

U

Upper respiratory infections; *see* **Respiratory tract infections**

Urine

Urinary leukotriene E_4 after exercise challenge in children with asthma (Kikawa et al). 1992;89:1111-9

Urticaria

Chronic idiopathic urticaria: profiles of skin mast cell histamine release during active disease and remission (Jacques et al). 1992;89:1139-43

Cutaneous histamine metabolism in chronic urticaria (Smith et al). 1992;89:944-50

V

Vascular permeability; *see* **Blood vessels**
Venoms
Immunotherapy with honeybee venom and yellow jacket venom is different regarding efficacy and safety (Müller et al). 1992;89:529-35
Safety of venom immunotherapy administered by a cluster schedule (Tarhini et al). 1992;89:1198-9 (Brief comm.)
Venom immunotherapy: 10 years of experience with administration of single venoms and 50 μg maintenance doses (Reisman and Livingston). 1992;89:1189-95
Vernal conjunctivitis; *see* **Conjunctivitis, allergic**
Vision disorders
Allergic and immunologic disorders of the eye (Bielory and Frohman). 1992;89:1-18 (CME article)

W

Wasps
Immunotherapy with honeybee venom and yellow jacket venom is different regarding efficacy and safety (Müller et al). 1992;89:529-35

Y

Yeasts
Atopic dermatitis of the face, scalp, and neck: Type I reaction to the yeast *Pityrosporum ovale*? (Jensen-Jarolim et al). 1992;89:44-51
High-frequency binding of IgE to the *Der p* allergen expressed in yeast (Chua et al). 1992;89:95-102
Yellow jacket; *see* **Wasps**